

# CONTRACT PLANS

BRIDGE 405/28W-

112TH AVENUE SE OVER SB I-405

I-405 MP 0.00 TO MP 14.60

I-405; RENTON TO BELLEVUE WIDENING  
AND EXPRESS TOLL LANES PROJECT

VOLUME 16  
NDC-57

KING COUNTY

No. _____	Date _____
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Confirmed by _____	Date _____
Originator <u>RSGR</u>	Date <u>12/27/2021</u>
Checker <u>MWBM</u>	Date <u>12/27/2021</u>
Backchecker _____	Date _____
Updater _____	Date _____
Rechecker _____	Date _____



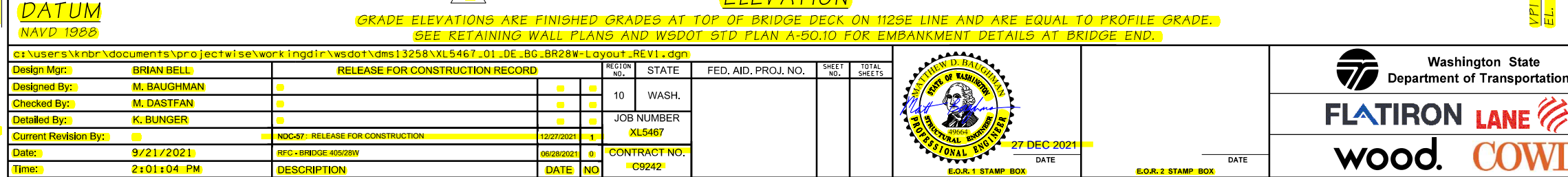
Washington State  
Department of Transportation

12/27/2021





# VOLUME 16

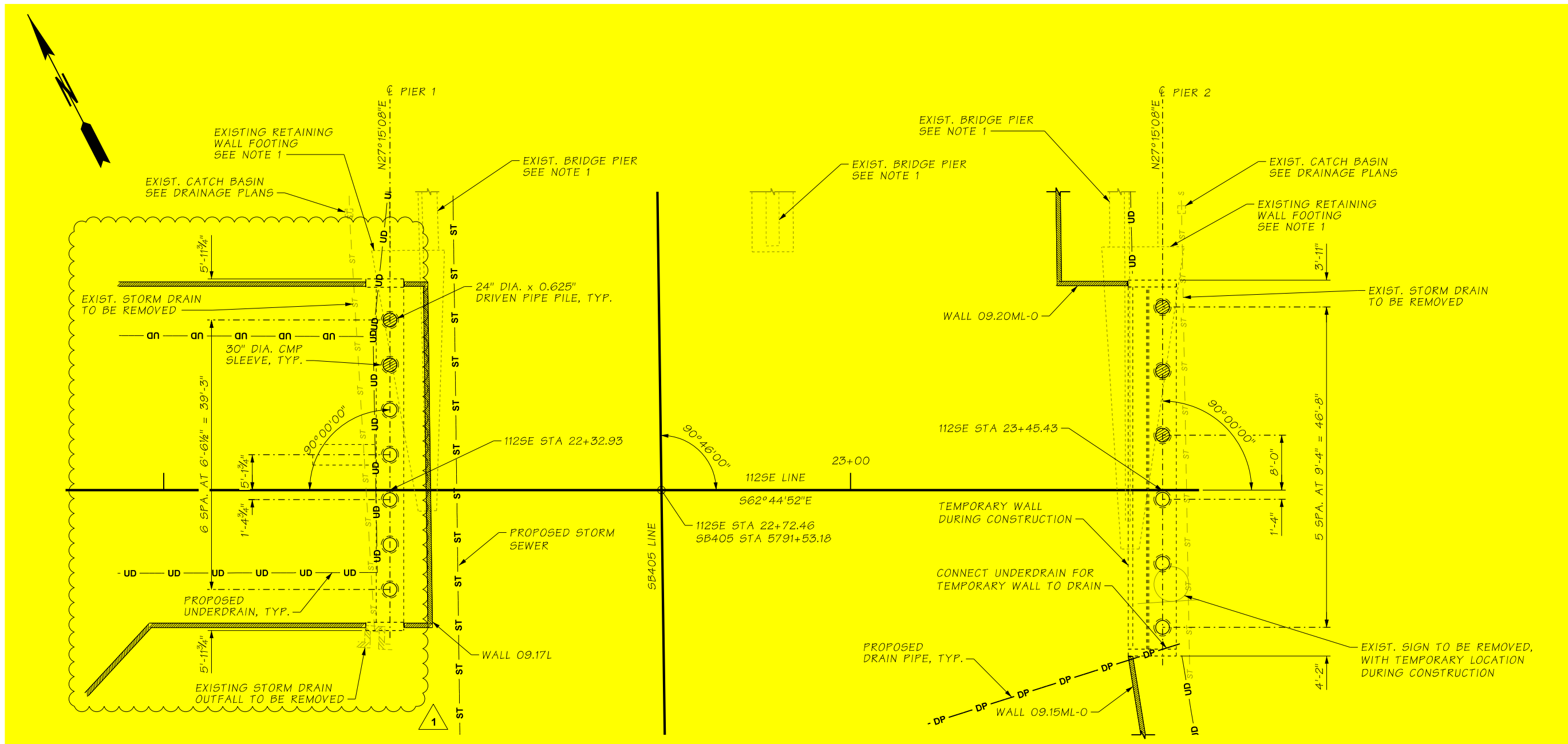
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1. C.S. XXXX ~ NORTHWEST REGION ~ I-405 ~ BRIDGE NO. 405/28W (REPLACEMENT)



- 
- The profile view shows the 112SE line with the following data points and features:
- Vertical Curve Data:**
    - EVC 21+82.05 (EL. 140.27)
    - VPI 22+12.05 (EL. 141.77)
    - BVC 22+42.05 (EL. 144.17)
    - VPI 23+03.75 (EL. 149.10)
    - EVC 23+53.75 (EL. 150.10)
    - BVC 24+10 (EL. 151.25)
  - Grades:** 5%, 6%, 8%, 2%, 2%
  - Vertical Curve Lengths:** 60' V.C., 100' V.C.
  - Bridge Structures:** BRIDGE 405/28W, BRIDGE 405/28E

C:\Users\kbnbr\documents\projectwise\workingdir\wsdot\dms13258\XL5467_01_0E-BG-BR28W-Layout-REV1.dgn												 DATE 27 DEC 2021 E.O.R. 1 STAMP BOX		 Washington State Department of Transportation    		I-405; RENTON TO BELLEVUE WIDENING AND EXPRESS TOLL LANES PROJECT  112TH AVENUE SE OVER SB I-405  BRIDGE LAYOUT		PLAN REVISION BG28W  SHEET OF SHEET		
Design Mgr:	BRIAN BELL			RELEASE FOR CONSTRUCTION RECORD			REGION NO.	STATE	FED. AID. PROJ. NO.	SHEET NO.	TOTAL SHEETS									
Designed By:	M. BAUGHMAN						10	WASH.												
Checked By:	M. DASTFAN																			
Detailed By:	K. BUNGER																			
Current Revision By:				NDC-57 - RELEASE FOR CONSTRUCTION			12/27/2021													
Date:	9/21/2021			RFG - BRIDGE 405/28W			06/28/2021		CONTRACT NO.											
Time:	2:01:04 PM			DESCRIPTION			DATE	NO	C9242											
												E.O.R. 2 STAMP BOX		DATE						



FOUNDATION LAYOUT

No. _____	Date _____
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Confirmed by _____	Date _____
Originator <u>RSGR</u>	Date <u>12/27/2021</u>
Checker <u>MWBM</u>	Date <u>12/27/2021</u>
Backchecker _____	Date _____
Updater _____	Date _____
Rechecker _____	Date _____

PILES CONFLICT WITH EXISTING WALL FOOTING  
ACCORDING TO AS-BUILT DRAWINGS.  
PARTIAL DEMOLITION OF THE EXISTING FOOTING  
IS REQUIRED.

NOTES:

- EXIST. BRIDGE PIER AND RETAINING WALLS TO BE REMOVED TO 2'-0" MIN. BELOW FINISHED GRADE.
- FOR DRAINAGE DETAILS, SEE PLAN REF. NO. DR-34.
- FOR RETAINING WALL DETAILS, SEE OTHER PACKAGE.

FILE NO. 9242 SHEET 1-405

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Design Mgr:	BRIAN BELL	RELEASE FOR CONSTRUCTION RECORD			REGION NO.	STATE	FED. AID, PROJ. NO.	SHEET NO.	TOTAL SHEETS
Designed By:	R. GARG				10	WASH.			
Checked By:	M. DASTFAN								
Detailed By:	K. BUNGER						JOB NUMBER		
Current Revision By:		NDC-57: RELEASE FOR CONSTRUCTION			12/27/2021		XL5467		
Date:	9/21/2021	REG - BRIDGE 405/28W			06/28/2021	0	CONTRACT NO.		
Time:	11:31:59 AM	DESCRIPTION			DATE	NO	C9242		



Washington State  
Department of Transportation

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wood. COWI

I-405; RENTON TO BELLEVUE WIDENING  
AND EXPRESS TOLL LANES PROJECT

112TH AVENUE SE OVER SB I-405

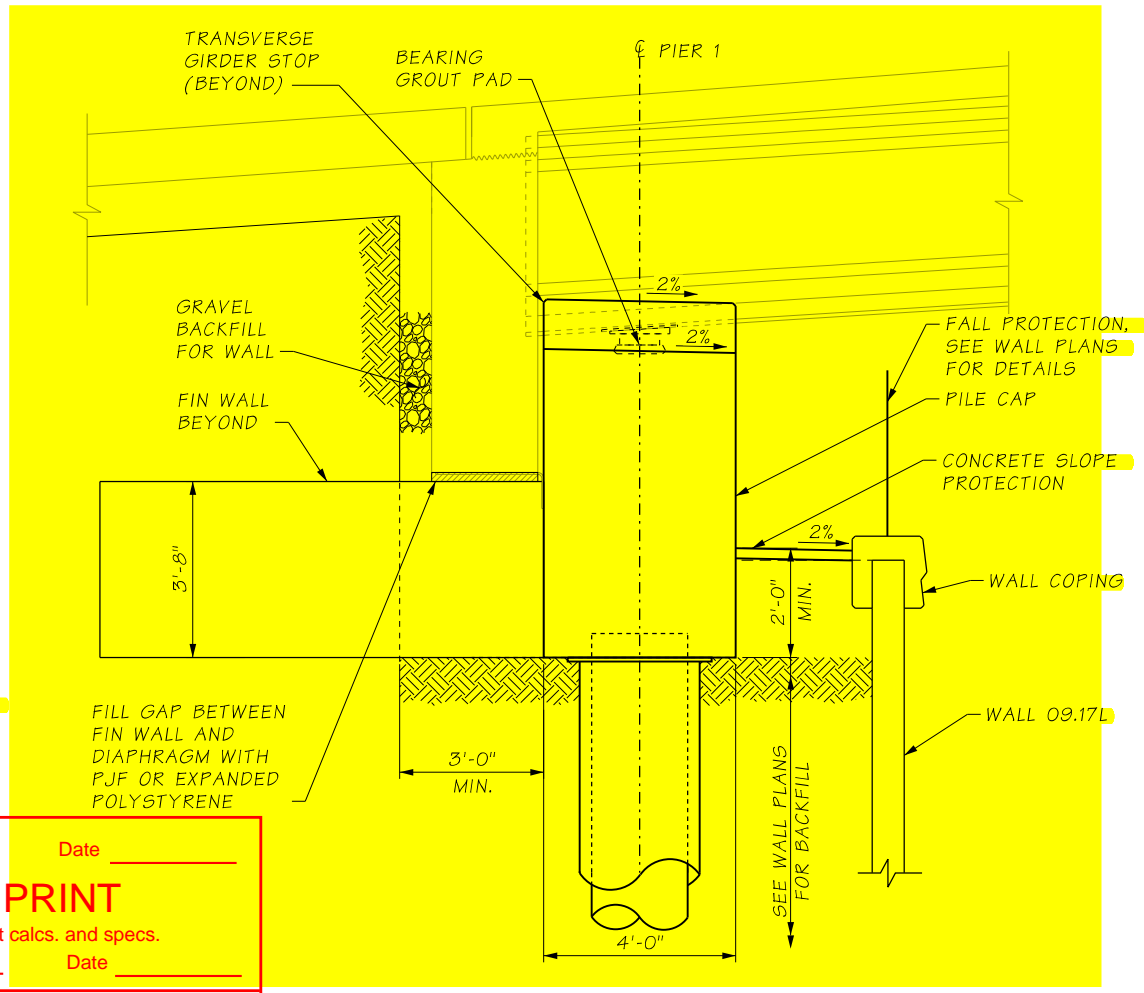
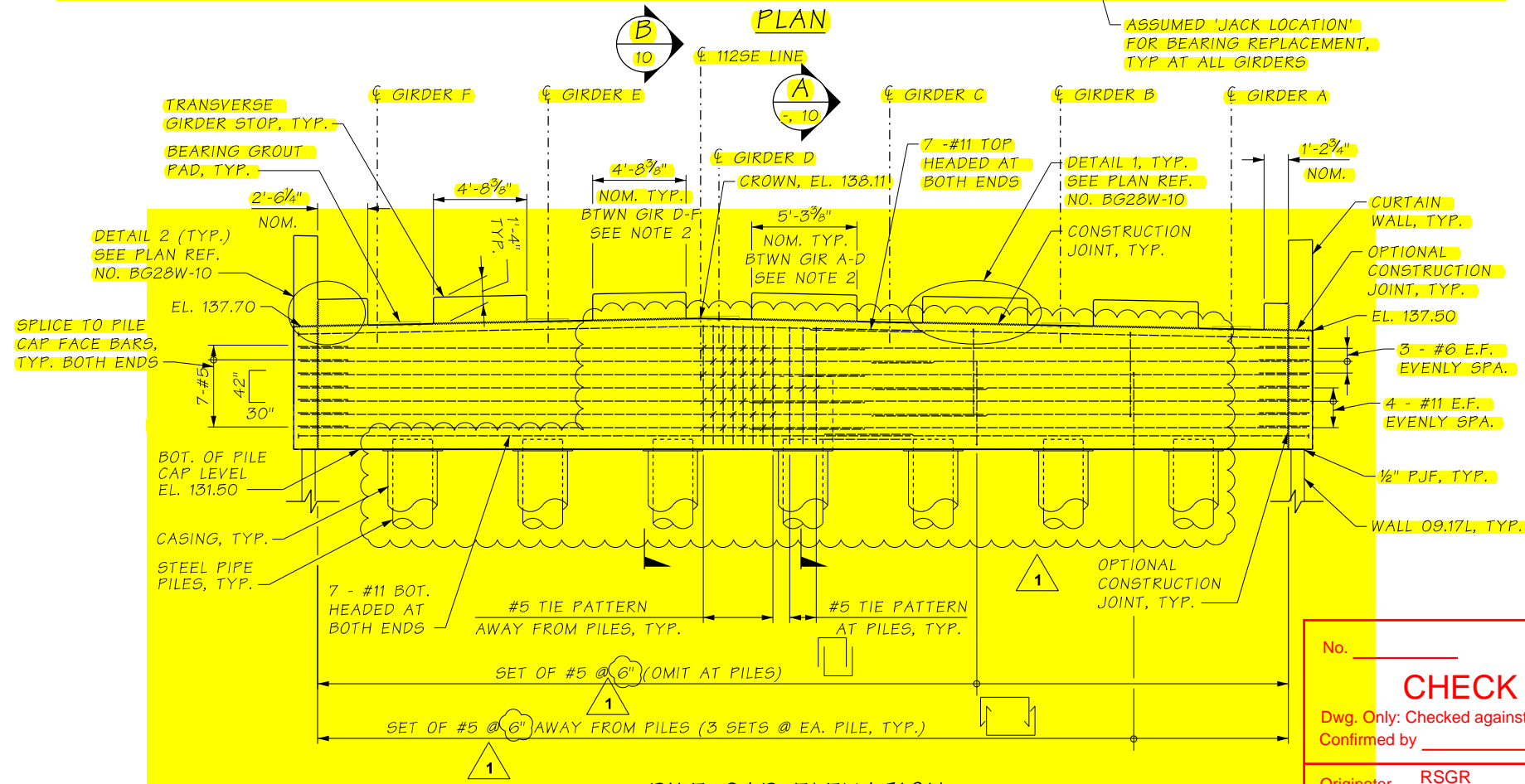
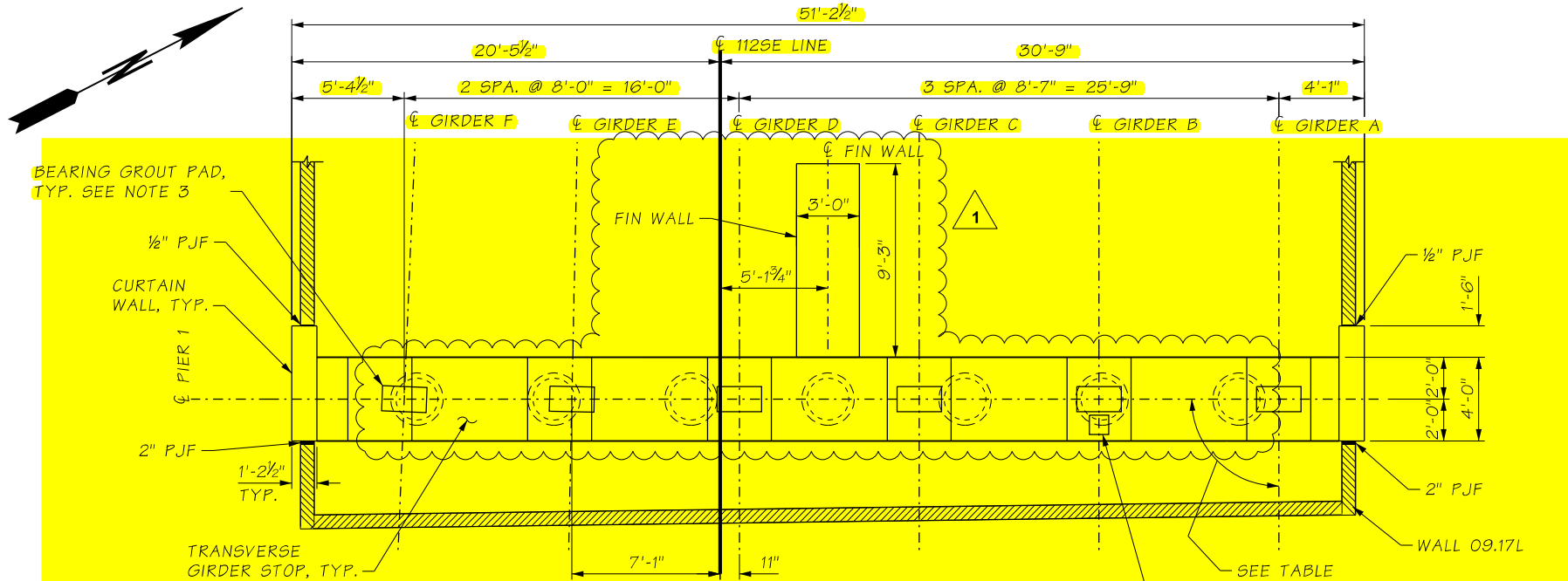
FOUNDATION PLAN

PLAN REF. NO.:  
BG28W-04

SHEET  
OF  
SHEETS







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Originator RSGR Date 12/27/2021

Checker MWBM Date 12/27/2021

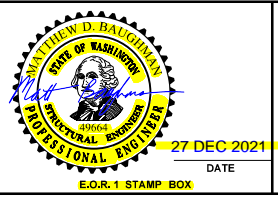
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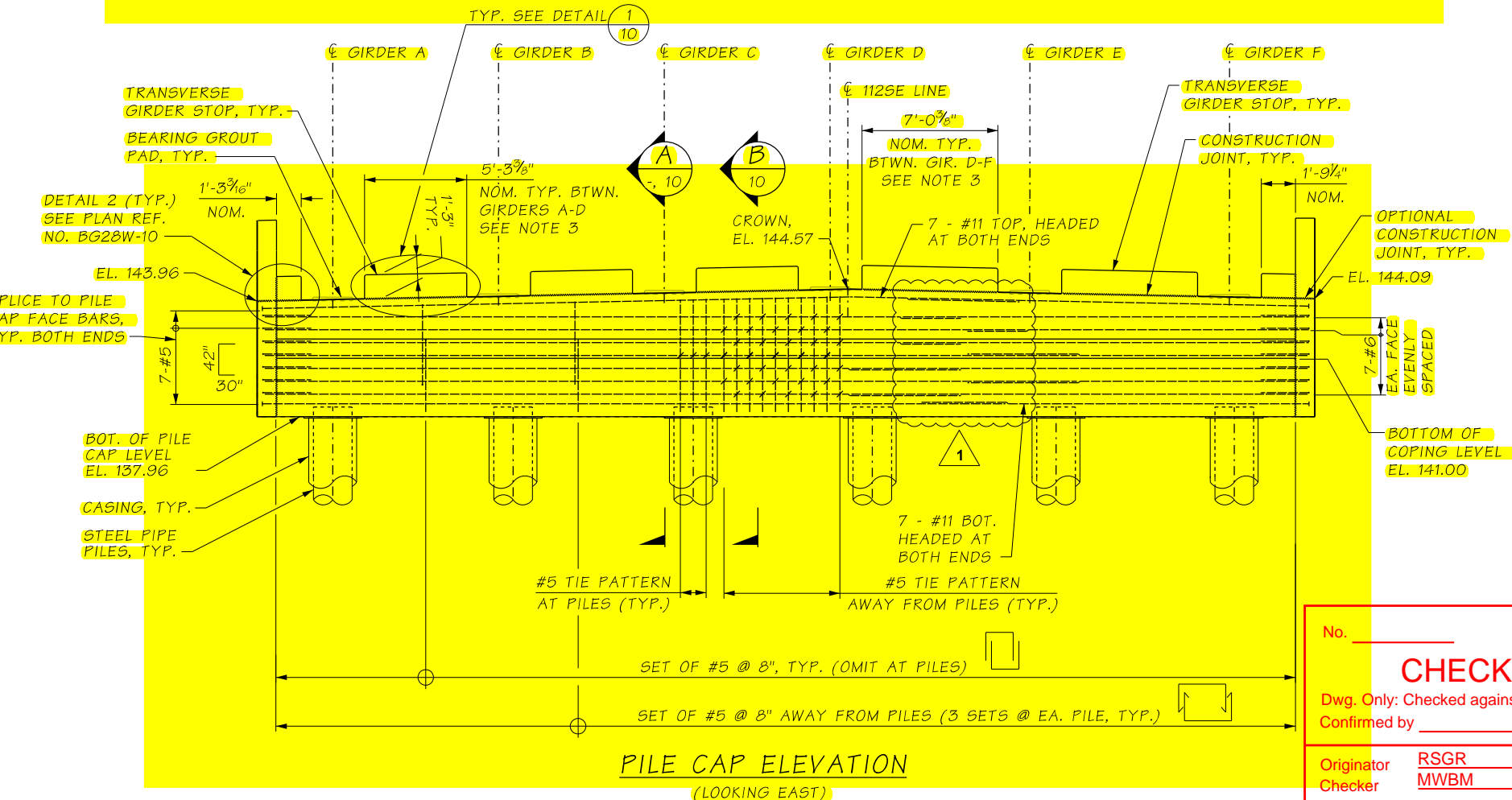
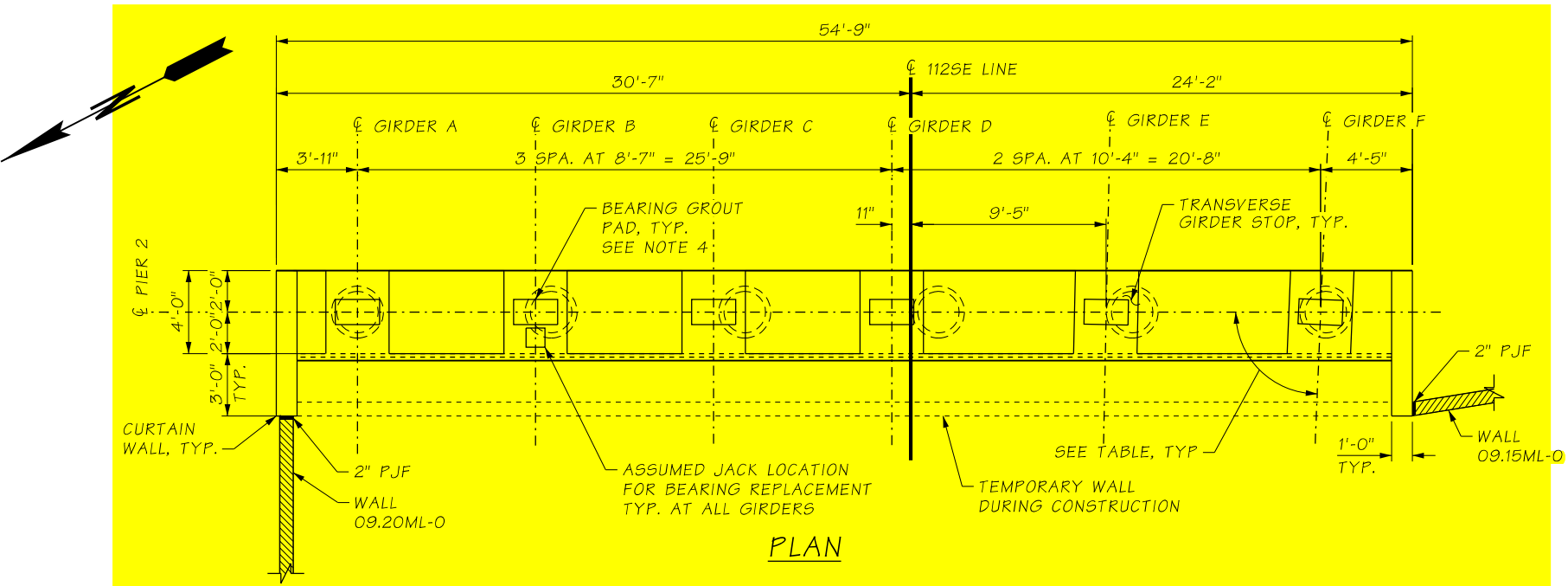
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FILE NO. 9242 SHEET 1-405

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Design Mgr:	BRIAN BELL	RELEASE FOR CONSTRUCTION RECORD	REGION NO. STATE
Designed By:	R. GARG		10 WASH.
Checked By:	M. DASTFAN		JOB NUMBER
Detailed By:	K. BUNGER		XL5467
Current Revision By:		NDC-57, RELEASE FOR CONSTRUCTION	12/27/2021
Date:	10/18/2021	REG - BRIDGE 405/28W	06/28/2021
Time:	2:54:08 PM	DESCRIPTION	DATE NO

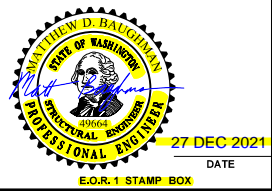


I-405; RENTON TO BELLEVUE WIDENING AND EXPRESS TOLL LANES PROJECT		PLAN REF. NO. BG28W-06
112TH AVENUE SE OVER SB I-405		SHEET 1 OF 1 SHEETS
PIER 1 PLAN AND ELEVATION		



DIMENSIONS AND ELEVATIONS ARE GIVEN ALONG  $\phi$  PIER  
GIRDER STOP AND CURTAINWALL REINFORCEMENT NOT  
SHOWN, SEE PLAN REF. NO. BG28W-09 AND BG28W-10

c:\users\jagn\documents\projectwise\workingdir\wsdot\dms13258\XL5467_07_DE_BG_BR28W-Pier2Layout.dgn				REGION NO.	STATE	FED. AID, PROJ. NO.	SHEET NO.	TOTAL SHEETS
Design Mgr:	BRIAN BELL	RELEASE FOR CONSTRUCTION RECORD		10	WASH.			
Designed By:	R. GARG							
Checked By:	M. DASTFAN							
Detailed By:	K. BUNGER					JOB NUMBER		
Current Revision By:	P. CONRAD	NDC-57, RELEASE FOR CONSTRUCTION		12/27/2021	1	XL5467		
Date:	10/18/2021	REG - BRIDGE 405/28W	06/28/2021	0		CONTRACT NO.		
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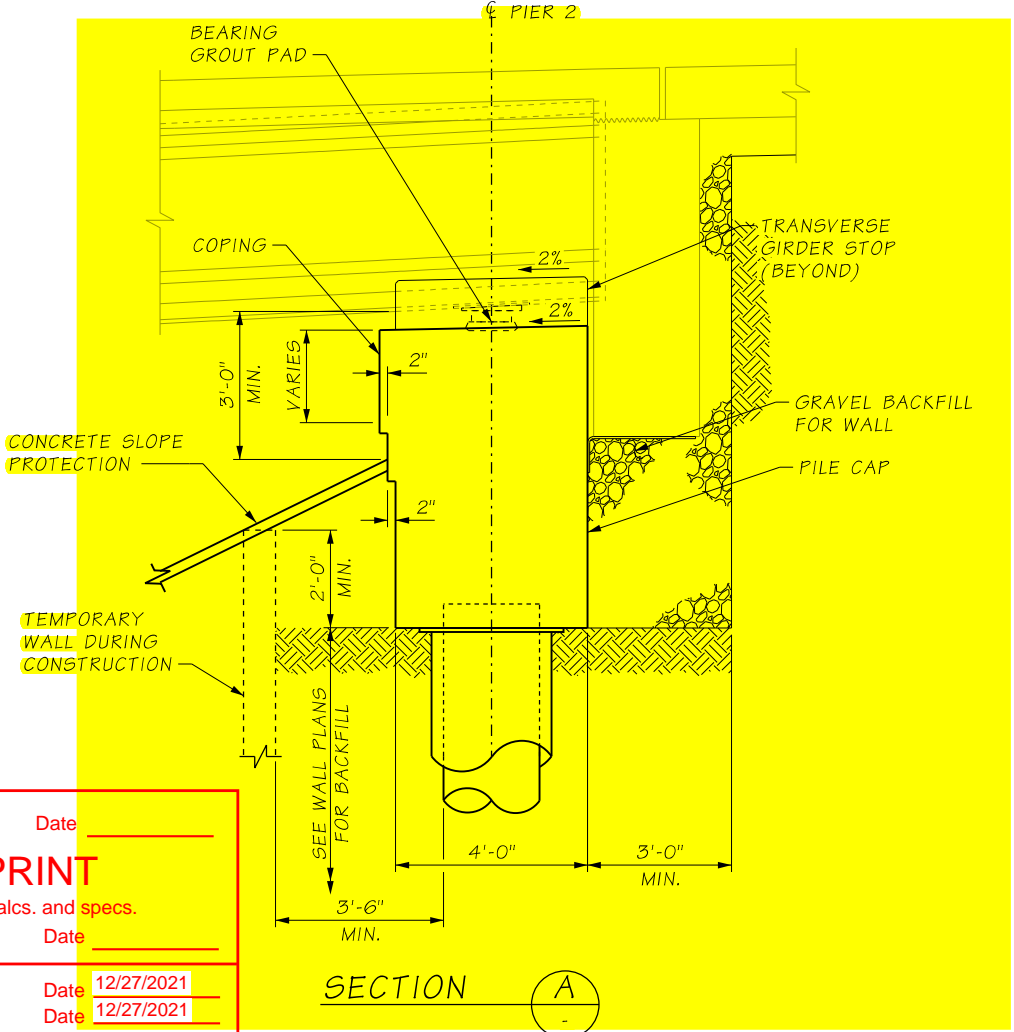


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NOTES:

- FRONT SURFACE OF CONCRETE PILE CAP AND GIRDER STOPS SHALL RECEIVE "MT. ST. HELENS" PIGMENTED SEALER TO 1 FOOT BELOW FINISHED GRADE.
- WALL COPING SHALL RECEIVE "MT. BAKER" PIGMENT SEALER.
- THE LENGTH OF TRANSVERSE GIRDER STOPS ARE NOMINAL. REFER TO PLAN REF. NO. BG28W-11 FOR DETAILS.
- FOR DETAILS OF GROUT PAD RECESS, REFER TO PLAN REF. NO. BG28W-11.
- FOR DETAILS OF WALLS 09.15ML-0 AND 09.20ML-0, SEE OTHER PACKAGE.
- NUMBER AND LOCATION OF LAP SPLICES FOR LONGITUDINAL PIER CAP REINFORCEMENT AT CONTRACTOR'S OPTION. LAP SPLICES IN ADJACENT REINFORCING BARS SHALL BE STAGGERED.

TOP OF GROUT PAD	ELEVATION	ANGLE
GIRDER A	144.17	90°00'00"
GIRDER B	144.34	90°00'00"
GIRDER C	144.51	90°00'00"
GIRDER D	144.68	90°00'00"
GIRDER E	144.51	88°48'43"
GIRDER F	144.30	87°37'29"

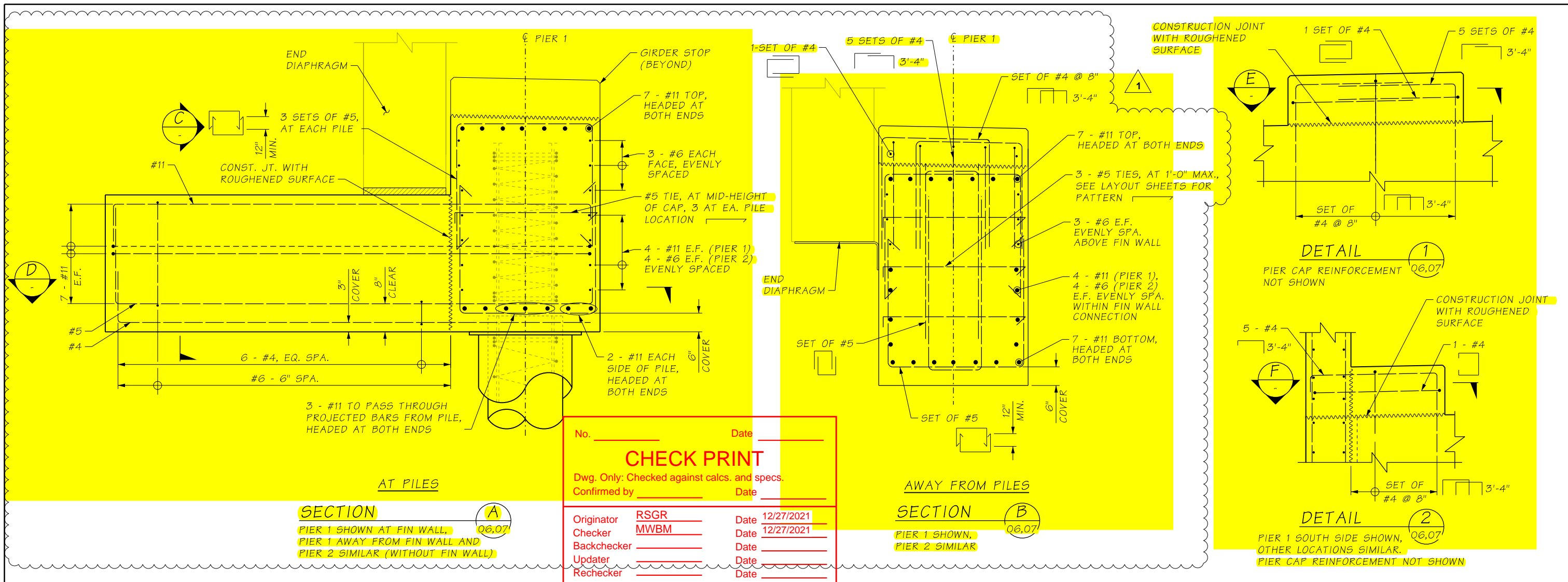


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Checker	MWBM	Date	12/27/2021
Backchecker		Date	
Updater		Date	
Rechecker		Date	

1-405  
FILE NO. 9242  
SHEET



I-405; RENTON TO BELLEVUE WIDENING AND EXPRESS TOLL LANES PROJECT		PLAN REF. NO. BG28W-07
112TH AVENUE SE OVER SB I-405		SHEET OF SHEETS
PIER 2 PLAN AND ELEVATION		



No.	_____	Date	_____
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Confirmed by	_____	Date	_____
Originator	RSGR	Date	12/27/2021
Checker	MWBM	Date	12/27/2021
Backchecker	_____	Date	_____
Updater	_____	Date	_____
Rechecker	_____	Date	_____

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Design Mgr:	BRIAN BELL	RELEASE FOR CONSTRUCTION RECORD	
Designed By:	M. DASTFAN		
Checked By:	M. BAUGHMAN		
Detailed By:	P. CONRAD		
Current Revision By:		NDC-57: RELEASE FOR CONSTRUCTION	12/27/2021
Date:	9/21/2021	REG - BRIDGE 405/28W	06/28/2021
Time:	11:36:06 AM	DESCRIPTION	DATE NO

REGION NO.	STATE	FED. AID, PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			
JOB NUMBER		CONTRACT NO.		
XL5467		C9242		



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I-405; RENTON TO BELLEVUE WIDENING  
AND EXPRESS TOLL LANES PROJECT

112TH AVENUE SE OVER SB I-405

PIER DETAILS 3 OF 3

PLAN REF. NO.:  
BG28W-10

SHEET  
OF  
SHEETS



